

121703

15992 U.S. PTO

16018 U.S. PTO  
10/739484

121703

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

51876P453

First Inventor

Soon-Yong Kweon, et al.

Title

METHOD FOR FABRICATING FERROELECTRIC RANDOM ACCESS  
MEMORY DEVICE

Express Mail Label No.

EV339920042US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 55]  
(preferred arrangement set forth below)
- Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 19]
5. Oath or Declaration (signed) [Total Pages 3]
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76
7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies
9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. § 3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS  
Citations
13. ☐ Preliminary Amendment ☐ Application Amended to  
Reflect Claim of Priority
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☒ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).  
Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Request for Priority, Formal Drawings Transmittal

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_

Prior application Information: Examiner \_\_\_\_\_

Group/Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**18. CORRESPONDENCE ADDRESS**☒ Customer Number**08791**

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☐ Correspondence address below

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Registration No. (Attorney/Agent)

30,139

Signature

Date

12/17/03

# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$ 810.00

## Complete if Known

Application Number  
Filing Date  
First Named Inventor Soon-Yong Kweon  
Examiner Name  
Group/Art Unit  
Attorney Docket No. 51876P453

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None  
☒ Deposit Account

Deposit  
Account  
Number

02-2666

Deposit  
Account  
Name

Blakely, Sokoloff, Taylor & Zafman LLP

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity |          | Small Entity |          | Fee Description        | Fee Paid   |
|--------------|----------|--------------|----------|------------------------|------------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |                        |            |
| 1001         | 770      | 2001         | 385      | Utility filing fee     | 770.00     |
| 1002         | 340      | 2002         | 170      | Design filing fee      |            |
| 1003         | 530      | 2003         | 265      | Plant filing fee       |            |
| 1004         | 770      | 2004         | 385      | Reissue filing fee     |            |
| 1005         | 180      | 2005         | 80       | Provisional filing fee |            |
| SUBTOTAL (1) |          |              |          |                        | (\$ 770.00 |

### 2. EXTRA CLAIM FEES

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 15                 | 20           | 0              | \$0.00   |
| Independent Claims | 1            | 3              | 0        |
| Multiple Dependent |              |                |          |

| Large Entity |          | Small Entity |          | Fee Description   | Fee Paid |
|--------------|----------|--------------|----------|---|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |   |          |
| 1202         | 18       | 2202         | 9        | Claims in excess of 20                                    |          |
| 1201         | 86       | 2201         | 43       | Independent claims in excess of 3                         |          |
| 1203         | 290      | 2203         | 145      | Multiple Dependent claim, if not paid                     |          |
| 1204         | 86       | 2204         | 43       | **Reissue independent claims over original patent         |          |
| 1205         | 18       | 2205         | 9        | **Reissue claims in excess of 20 and over original patent |          |
| SUBTOTAL (2) |          |              |          |   | (\$ 0.00 |

\*or number previously paid, if greater, For Reissues, see below

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity        |          | Small Entity |          | Fee Description  | Fee Paid  |
|---------------------|----------|--------------|----------|--|-----------|
| Fee Code            | Fee (\$) | Fee Code     | Fee (\$) |  |           |
| 1051                | 130      | 2051         | 65       | Surcharge - late filing fee or oath  |           |
| 1052                | 50       | 2052         | 25       | Surcharge - late provisional filing fee or cover sheet                     |           |
| 2053                | 130      | 2053         | 130      | Non-English specification  |           |
| 1812                | 2,520    | 1812         | 2,520    | For filing a request for ex parte reexamination                            |           |
| 1804                | 920 *    | 1804         | 920 *    | Requesting publication of SIR prior to Examiner action                     |           |
| 1805                | 1,840 *  | 1805         | 1,840 *  | Requesting publication of SIR after Examiner action                        |           |
| 1251                | 110      | 2251         | 55       | Extension for reply within first month                                     |           |
| 1252                | 420      | 2252         | 210      | Extension for reply within second month                                    |           |
| 1253                | 960      | 2253         | 475      | Extension for reply within third month                                     |           |
| 1254                | 1,480    | 2254         | 740      | Extension for reply within fourth month                                    |           |
| 1255                | 1,210    | 2255         | 605      | Extension for reply within fifth month                                     |           |
| 1404                | 330      | 2401         | 165      | Notice of Appeal   |           |
| 1402                | 330      | 2402         | 165      | Filing a brief in support of an appeal                                     |           |
| 1403                | 290      | 2403         | 145      | Request for oral hearing   |           |
| 1451                | 1,510    | 2451         | 1,510    | Petition to institute a public use proceeding                              |           |
| 1452                | 110      | 2452         | 55       | Petition to revive - unavoidable   |           |
| 1453                | 1,330    | 2453         | 665      | Petition to revive - unintentional   |           |
| 1501                | 1,330    | 2501         | 665      | Utility issue fee (or reissue)   |           |
| 1502                | 480      | 2502         | 240      | Design issue fee   |           |
| 1503                | 640      | 2503         | 320      | Plant issue fee  |           |
| 1460                | 130      | 2460         | 130      | Petitions to the Commissioner  |           |
| 1807                | 50       | 1807         | 50       | Processing fee under 37 CFR 1.17(q)  |           |
| 1806                | 180      | 1806         | 180      | Submission of Information Disclosure Stmt                                  |           |
| 8021                | 40       | 8021         | 40       | Recording each patent assignment per property (times number of properties) | 40.00     |
| 1809                | 770      | 1809         | 385      | Filing a submission after final rejection (37 CFR § 1.129(a))              |           |
| 1810                | 770      | 2810         | 385      | For each additional invention to be examined (37 CFR § 1.129(b))           |           |
| 1801                | 770      | 2801         | 385      | Request for Continued Examination (RCE)                                    |           |
| 1802                | 900      | 1802         | 900      | Request for expedited examination of a design application                  |           |
| Other fee (specify) |          |              |          |  |           |
| SUBTOTAL (3)        |          |              |          |  | (\$ 40.00 |

\* Reduced by Basic Filing Fee Paid

## SUBMITTED BY

## Complete (if applicable)

Name (Print/Type) Eric S. Hyman Registration No. 30,139 Telephone (310) 207-3800  
Signature Date 12/17/03

Based on PTO/SB/17 (08-03) as modified by Blakely, Sokoloff, Taylor & Zafman (w/11/08/11/2003).  
SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

SOON-YONG KWEON, ET AL.

Application No.:

Filed:

For: **METHOD FOR FABRICATING  
FERROELECTRIC RANDOM ACCESS  
MEMORY DEVICE**

Art Group:

Examiner:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL OF FORMAL DRAWINGS**

Sir:

Enclosed herewith for filing in the above-identified U.S. Patent Application are the formal drawings, 19 sheets including 31 Figures. Please charge any additional fees or credit any overpayment to Deposit Account No. 02-2666. A duplicate copy of the Fee Transmittal is enclosed for this purpose.

Respectfully submitted,

Blakely, Sokoloff, Taylor & Zafman LLP

Dated: December 17, 2003

  
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